

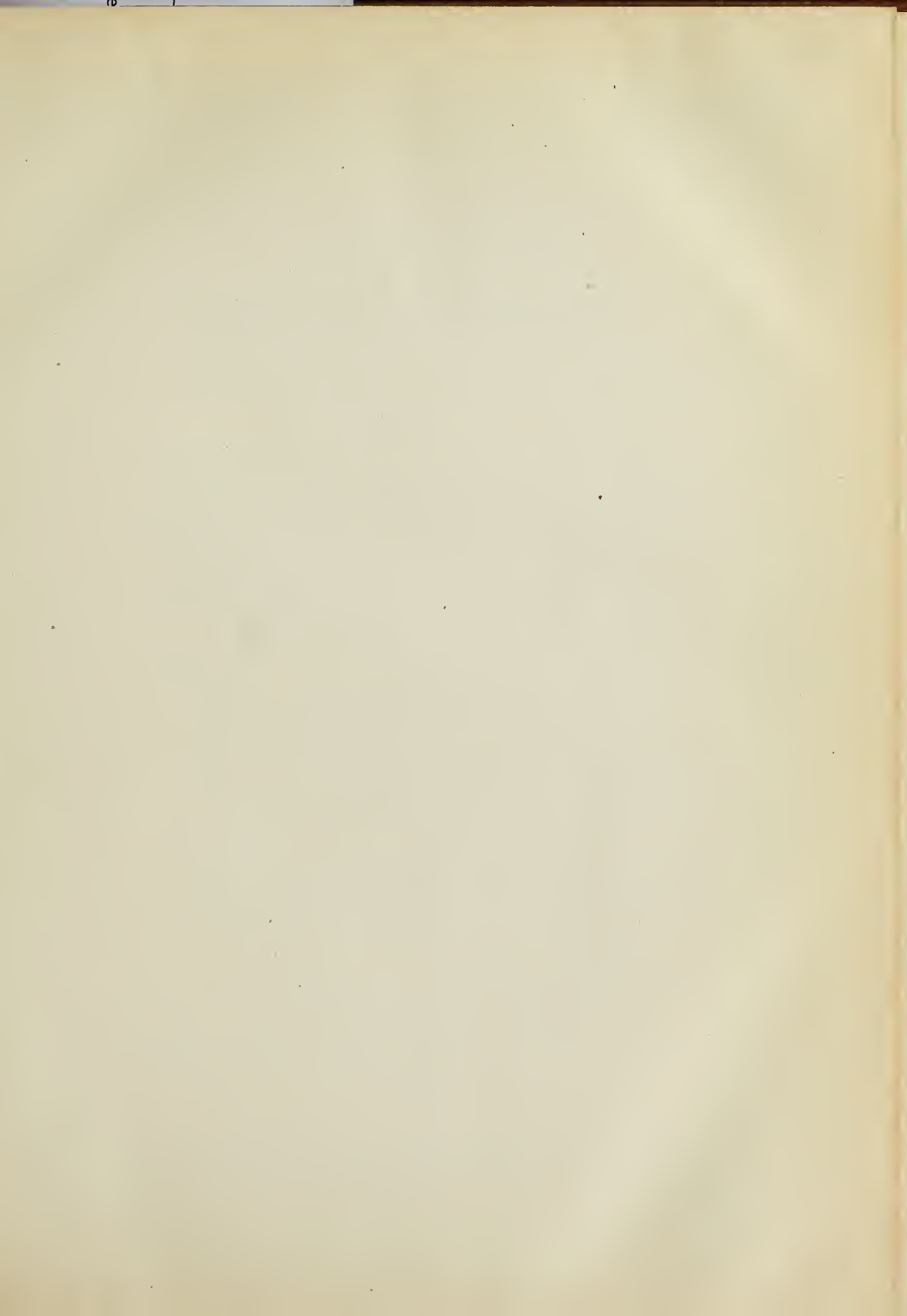
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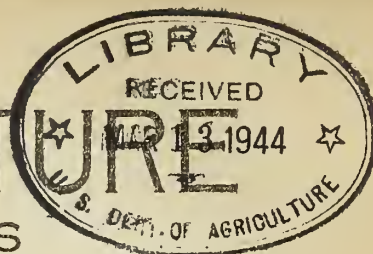




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COTTON LITERATURE

SELECTED REFERENCES



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BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.

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Slight changes in the above classification and in the
form of entry are being made beginning with this issue.

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320998

PRODUCTIONGeneral

U. S. Dept. of agriculture. Bureau of plant industry. Report of the chief...for the fiscal year ended June 30, 1932. 28 p. Washington, U.S. Govt. print. off., 1932.

Fiber plants. Cotton: p.12-13, Breeding experiments on Sea-Island and Egyptian cotton and investigation of cotton root rot.

Botany

Baranov, P. Raboty tsitologo-anatomicheskoi laboratorii N.I.Kh.I. (tsianal) v techenie vegetatsionnogo perioda 1930 g. Tashkent. Nauchno-issledovatel'skii institut po khlopkovodstvu. Sci. Research Cotton Inst. Bul. (5): 7-17. 1930.

Work of the cyto-anatomical laboratory of NIKHI during the growing period of 1930.

"A review of work in Russia during the growing period 1930. One of the first studies was the full history of the cotton plant from germination to maturity. The first stage in this was the study of the chromosomal apparatus. Seven Old World species were all found to have 26 diploid chromosomes...whilst 7 New World species had 52...A detailed examination was made of the morphology of the chromosomes in the various species."-Jour. Textile Inst. 23(9):A475-A476. Sept. 1932.

Abstract in Empire Cotton Growing Rev. 9(4):341-342. Oct. 1932.

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"Composed on the basis of the data and materials of the Expedition of the Institute of Applied Botany in 1925-6."

Chap. 13. The cotton plant: p. 180-190.

Description of native varieties, by F.M. Mauer: p. 543-553.

Experiment in Texas to develop cotton for mechanical picking. Cotton Trade Jour. 12(51):3. Dec. 24, 1932. (Published at New Orleans, La.)

Review of studies made at the Texas Agricultural Experiment Station.

Harland, S.C. The genetics of *Gossypium*. *Bibl. Genetica* 9:107-182. 1932. (Published at 's Gravenhage, Netherlands)

List of references: p.175-178.

Mauer, F.M. The cottons of Mexico, Guatemala and Colombia. *Bul. Appl. Bot. Genetics and Plant-Breeding Suppl.* 47:425-464. illus. 1930. (Published at Leningrad, U.S.S.R.)

In Russian. English summary: p.543-553.

Analysis of botanical composition of cottons collected by expedition of S.M. Bukasov.

Reviewed by S.C. Harland in *Empire Cotton Growing Rev.* 9(4): 337-339. Oct. 1932.

Agronomy

Ceylon. Dept. of agriculture. Report of the director ... for 1931. Pt. IV. Education, science and art (D) 163 p. Colombo, Govt. press, 1932.

Includes notes on progress in cotton culture and variety testing.

Chemistry aids cotton improvement. *Val. Farmer and South Tex. Grower* 6(3):8. Dec. 1932. (Published at Mercedes, Tex.)

Advantages of delinting seed with gas.

Geltzer, F.U. Influence of the methods of watering on the nutritive regime of the soil and yield of cotton. *Tashkent. Nauchno-issledovatel'skii Institut po Khlopkovodstvu. All-Union Inst. Cotton Cul. and Indus. Proc.* 43, 34 p. illus. 1931.

In Russian. English summary: p.34.

Hawkins, R.S. Cotton shedding--its cause. *Ariz. Prod.* 11 (19):8. Dec. 15, 1932. (Published at Phoenix, Ariz.)

India. Central Provinces and Berar. Dept. of agriculture. Annual reports of experimental farms of the Northern and Plateau Circles. 90 p. Nagpur, 1932.

Fertilizer experiments on cotton: p.79-80.

India. Sind. Dept. of agriculture. Agricultural development in Sind. Conclusions and decisions arrived at by the staff conference of the Agricultural department in Sind, held at the Agricultural research station, Sakrand, in November 1931, under the chairmanship of the chief agricultural officer in Sind. 63 p. [Karachi, The Commissioner's printing press 1932]

Future program for improvement of cotton culture, seed, etc., and the "Cotton extension scheme."

Melnikov, V.F., and others. Za bol'shevistskoe provedenie khlopkoubochnoi kampanii. 89 p. tables. [Moskva] 1932.

The bolshevist method of conducting cotton picking campaigns.

Osborn, W.M. Rotation and tillage experiments at the Lawton (Okla.) field station, 1917-1930. U.S. Dept. Agr. Tech. Bul. 330, 34 p. tables. Washington, D.C., 1932. Results with cotton: p. 21-25.

Peters, R.W. Cotton planting and cultivating. Queensland Agr. Jour. 38(5):426-432. illus. Nov. 1, 1932. (Published at Brisbane, Queensland)
Radio lecture.

Peters, R.W. Cotton thinning and spacing. Queensland Agr. Jour. 38(5):433-437. Nov. 1, 1932. (Published at Brisbane, Queensland)
Radio lecture.

Pole Evans, I.B. Arable farming and pasture problems. Farming in So. Africa 7(80):341-352. illus. Nov. 1932. (Published by Union of South Africa Department of Agriculture, Pretoria, South Africa)
Brief section on cotton under Field Husbandry: p. 342.

Serrat, F. El cultivo del algodón en España. Economía y Técnica Agrícola 1(6):377-383. illus. Oct. 1932. (Published at Madrid, Spain)
Cotton cultivation in Spain.

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Atkins, H.L. The arch enemy of cotton. Prog. Farmer (Tex. ed.) 47(18):8. illus. Dec. 1932. (Published at Dallas, Tex.)
Root rot and its control.

Campaign to fight ravages of wilt disease to Indian cotton. Cotton Trade Jour. 12(49):2. Dec. 10, 1932. (Published at New Orleans, La.)

Results of research by Indian Central Cotton Committee, including report on wilt-resistant varieties and early planting.

Also in Indian Trade Jour. 107(1377):362. Nov. 10, 1932.

Neal, D.C., and Wester, R.E. Effects of anaerobic conditions on the growth of the cotton-root-rot fungus, *Phymatotrichum omnivorum*. Phytopathology 22(11): 917-920. illus. Nov. 1932. (Published at Lancaster, Pa.)

"The data reported show that growth of Phymato-trichum omnivorum is inhibited by anaerobic conditions and is notably restricted by concentrations of carbon dioxide greater than 25 per cent."-Discussion and summary.

Stoughton, R.H. The morphology and cytology of *Bacterium malvacearum*, E.F.S. Pt. II. Reproduction and cell-fusion. Roy.Soc.[London]Proc. (ser.B)111(B769):46-52. illus. June 1, 1932. (Published at 44-47, St. Martin's Lane, London, W.C.2, England)

"In an earlier paper (Stoughton, 1929) an account was given of certain observations on the morphological and cytological changes undergone by *Bacterium* (*Pseudomonas*) *malvacearum*, E.F.S., the causal organism of the angular leaf-spot disease of cotton plants."

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Insects

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Bedford, H.W. The weed "Hambuk" (*Abutilon* spp.) and the part it plays in the conservation of parasites of the various species of bollworm which attack cotton in the Sudan. Wellcome Trop. Research Labs. Ent. Sect. Bul. 34: 39-43. Jan. 1931. (Published at Khartoum, Sudan)

Cameron, W.P.L. Thrips affecting the cotton crop in Gezira in 1930. Wellcome Trop. Research Labs. Ent. Sect.) Bul-34:32-37. Jan. 1931. (Published at Khartoum, Sudan)

Gaines, J.C. Studies on the progress of boll weevil infestation at various distances from hibernation quarters. Jour. Econ. Ent. 25(6):1181-1187. illus. Dec. 1932. (Published at Geneva, N.Y.)

Squeezing cotton. New process eliminates bollworm danger and saves expense of compression. Ariz. Prod. 11(16): 3. Nov. 1, 1932. (Published at Phoenix, Ariz.)

"Some short staple cotton is now being shipped out of Arizona without being compressed, because between ginning and baling it is passed through 'squeeze rolls' or 'bug rolls' that serve the same purpose as compression in crushing any pink bollworm larvae, pupae or eggs."

Taylor, J.S. Report on cotton insect and disease investigations. Pt. II. Notes on the American bollworm (*Heliothis obsoleta*, Fabr). on cotton, and on its parasite *Microbracon brevicornis*, Wesm. So. Africa Dept. Agr. Sci. Bul. 113, 18 p. Pretoria, 1932.

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U.S. Dept. of agriculture. Bureau of entomology. Report of the chief... for the fiscal year ended June 30, 1932. 38 p. Washington, U.S. Govt. print. off., 1932.

Investigations on cotton insects: p. 19-22. Boll weevil, pink bollworm, Thurberia weevil, cotton flea hopper, cotton leaf perforator, bollworm and miscellaneous insects.

U.S. Dept. of agriculture. Plant quarantine and control administration. Report of the chief... for the fiscal year ended June 30, 1932. 63 p. tables. Washington, U.S. Govt. print. off., 1932.

Pink bollworm: p. 16-22.

Thurberia weevil: p. 22-23.

Yakhontov, V.V. The fauna of the invertebrates feeding on the cotton plant (Areas of the distribution of different species in the world) Tashkent. Nauchno-issledovatel'skii Institut po Khlopkovodstvu. All-Union Sci. Research Inst. Cotton Cul. and Indus. Proc. 39, 94 p. illus. 1931.

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Farm Engineering

Cottonpicker. Cotton Digest 5(11):9-10. Dec. 24, 1932. (Published at Houston, Tex.)

Describes mechanical cotton picker invented by the Rust brothers.

Farm Management

Stephens, P.H. Cotton production costs in southwestern Oklahoma. Current Farm Econ. (ser. 49) 5(6):106-107. table. Dec. 1932. (Published at Oklahoma Agricultural Experiment Station, Stillwater, Okla.)

Table shows cost of cotton production, Tillman county, Okla., 1929 and 1931.

MARKETING

General

Ellis, L.S. The cotton situation and outlook. Current Farm Econ. (ser. 49) 5(6):101-105. tables. Dec. 1932. (Published at Oklahoma Agricultural Experiment Station, Stillwater, Okla.)

U.S.Bureau of the census. Cotton production and distribution season of 1931-32. U.S.Bur.of the Census Bul. 169, 74 p. tables. Washington,D.C.,1932.

Demand and Competition

British textiles and Ottawa.The position reviewed. Textile Recorder 50(596):22-23. Nov.15,1932. (Published at 121 Deansgate,Manchester,England)

"Buy American !"---With what? Tex.Weekly 8(49):4-6. Dec. 3,1932. (Published by Peter Molyneaux, Dallas,Tex.)
Criticism of article in Saturday Evening Post which favored boycott of foreign goods. Stresses importance of foreign markets for American cotton.

Clayton,W.L. The South's stake in war debts. Cotton Digest 5(10):4-5.Dec.17,1932. (Published at Houston, Tex.)

Discusses the relation of the war debts to the export trade in cotton.

Also in Cotton and Cotton Oil News 33(51):3-4. Dec. 17,1932; and in Cotton Ginners' Jour.4(4):5,10-11. Jan.1933.

Collier,P.R. An automobile man looks at the textile industry. Textile World 82(6):1150-1151. Dec.1932. (Published at 330 West 42d St., New York,N.Y.)

An ex-textile worker compares mechanical and merchandising progress of the motor and woollen textile industries.Urges a centralized organization within the textile industry to guide marketing methods and research in all phases.

Corell,L. Ergänzung zu dem artikel: Eine neue deutsche faserpflanze--die yucca. Melliand Textilberichte 12 (2):63. Feb.1932. (Published at Heidelberg,Germany)

The new German fiber plant, the yucca.

"Yucca fiber, after refining in a special machine, is 30% finer than cotton and much more resistant. The fiber can be dyed with acid, substantive and basic dyes. Fast colors are obtained with indanthrene and sulfur dyes."-Chem.Abs.26(18):4955. Sept.20,1932.

Cotton spinning in Kiangsu Province. Chinese Econ. Jour. 11(5):395-405. Nov.1932. (Published by Ministry of Industry, Customs Bldg., Shanghai,China)

Dawson,J.H. The Indian cotton industry. A brief review. Indian Textile Jour.43(505):5-7. Oct.1932. (Published at Military Sq., Fort, Bombay,India)

Stresses organization and labor problems.

Economics of the cotton industry. The City and Guilds of London institute 1932 examination paper. Textile Weekly 10(247):347. Nov.25,1932. (Published at 49 Deansgate,Manchester,England)

Discusses the following questions: "Outline any important differences in (a)technical methods of production, and (b)the structure of the industry between the cotton industry in England and that in other countries" and "'In 1930, 85 per cent. of the cotton operatives in Great Britain were found in Lancashire.' Discuss the economic factors which have produced the concentration of the industry largely in Lancashire."

Field,E.G. Competition takes its toll. Cotton 96(12):32-33. illus., tables. Dec.1932. (Published by W.R.C. Smith Publishing Co.,Atlanta, Ga.)

Discusses the growth of the cotton spinning industry in the United States,particularly in the South, and recent effects of competition.

Filho,T.C. As novas applicacoes dos tecidos de algodao e os nossos recursos naturais. Lavoura 36:32. June 1932. (Published at Rio de Janeiro,Brazil)

New uses of cotton fabrics and our natural resources.

Discusses the possibility of using other Brazilian fibers in place of cotton for certain fabrics.

Gray,E.M. Can Lancashire survive? III.Maladjustments in industrial econcmy. Textile Weekly 10(247):333-334. table.Ncv.25,1932. (Published at 49 Deansgate, Manchester, England)

"It is proposed...in this and succeeding articles to examine in some degree the cause, but at greater length the effects of certain notable maladjustments in the industrial economy.The first to which attention is turned is focussed by the rigidity of wage rates."

Gt.Britain.Dept. of overseas trade. Economic conditions in Turkey.Report by Colonel H.Woods. 46 p. tables. London,H.M.Stationery office,1932.

Trade in cotton textiles: p.32-37.

Extracts in Textile Weekly 10(235):9-10.Sept.2,1932.

Indian cotton growers and the Ottawa agreement. English spinners criticised.Not using enough Indian raw materials. Textile Mercury and Argus 57(2275):329. Oct.21, 1932. (Published at 41 Spring Gardens,Manchester, England)

Lewis,K.P. Some problems of the cotton manufacturers. South.Textile Bul.43(14):3-4. Dec.1,1932. (Published by Clark Publishing Co.,118 West Fourth St., Charlotte, N.C.)

Address at annual meeting of Cotton Manufacturers'

Association of North Carolina, Pinehurst, N.C., Nov. 17-18, 1932.

Discusses crop reporting methods, night work policy, work of Cotton-Textile Institute, and taxes on cotton.

Extract in Textile World 82(6):1182. Dec. 1932.

Machin, W.F. Textile markets in three continents. Overseas buyers who would "buy British." Manchester Guardian Com. 25(647):397. Nov. 12, 1932. (Published at the Guardian Bldg., Manchester, England)

"The following review of the market for textile goods in the South African Union is the last of the series of articles...based on the notes taken...during a journey by road from London to Capetown" for purpose of extending sales of British Cotton goods.

Machin, W.F. Trade tour in three continents. Showing the goods from London to Capetown. IV. The Sudan to Tanganyika. Manchester Guardian Com. 25(645):359. Oct. 29, 1932. (Published at the Guardian Bldg., Manchester, England)

In series of articles on the possibilities of extending the sale of British cotton goods.

Moratorium on Massachusetts labor restrictions proposed to meet competition. Textile World 82(6):1157. Dec. 1932. (Published at 330 West 42d St., New York, N.Y.)

Resolution passed at Eighth New England Conference held under auspices of New England Council in Boston Nov. 17-18, 1932, declared that either the labor laws of neighboring states must be brought up to those of Massachusetts or the latter will be lowered "as an economic necessity." Includes extracts from address on the subject by H.P. Kendall.

Nasmith, Frank. British textile conditions. Fibre and Fabric 85(2498):8-9. Dec. 17, 1932. (Published at 465 Main St., Cambridge, Mass.)

Outlook for the coming year.

New pick-price weaving list. Proposed text for the "more-loom" agreement. Textile Weekly 10(250):413-414. Dec. 16, 1932. (Published at 49 Deansgate, Manchester, England)

"Based on a system of payment to weavers for the number of picks woven when running six looms."

Niemeyer, A. The Anglo-German textiles exchange. The shrinkage that has occurred during the world trade depression. Textile Recorder 50(597):23. table. Dec. 15, 1932. (Published at 121, Deansgate, Manchester, England)

Table shows German imports from England and German exports to England 1929-1932.

Ormerod, J.A. Modernise the Lancashire loom. Textile Mercury and Argus 87(2274):309. Oct. 14, 1932. (Published at 41, Spring Gardens, Manchester, England)

Extracts from "address at the first meeting of the Blackburn and District Textile Society's new session."

"Outlines a production policy for cotton [textiles]".

Report of the Indian delegation to the Imperial economic conference held at Ottawa. 21st July to 20th August 1932. Indian Trade Jour. 107(1374):137-143. Oct. 20, 1932. (Published at Calcutta, India)

Review in Indian Textile Jour. 43(505):25. Oct. 1932.

Report of the Indian government trade commissioner, Hamburg, for 1931-32. Indian Trade Jour. 107(1377):349-361. Nov. 10, 1932. (Published at Calcutta, India)

Cotton: p. 353.

Stafford, Colin. Spinning cotton for the world in modern Lancashire mills. Cotton Trade Jour. 12(48):2. illus. Dec. 3, 1932. (Published at New Orleans, La.)

"Reprinted...from 'The Industrial World', published at London, England."

Strohmayer, H.C. Entwicklung und lage der baumwollindustrie. Wirtschaftsdienst 17(43):1449-1453. Oct. 28, 1932. (Published by Friederichsen, de Gruyter & co., Hamburg, Germany)

"A discussion of the situation for Germany's cotton industry and its development. Reference is made to the fact that the Debag combine, the largest group, which came into being some two years ago, following a long-continued fight, as a result of the merging of the Christian Dierig A.G. and the F.H. Hammersen A.G., accounts for some 800,000 spindles and 13,600 looms. In order to bring in line the book values of the changed ratios of value and yield, the three leading companies in the combine reduced their respective capitalizations, the method followed in each case being given. In the form of balance sheets and statements of profit are presented side by side the figures for 1930 and 1931 for the leading concerns in the German cotton industry."- H.E. Brockway.

Teagle, W.C. Hours and wages in textile mills frankly criticized. Textile World 82(6):1162. Dec. 1932. (Published at 330 West 42d St., New York, N.Y.)

Extracts from address at meeting of directors of the Cotton-Textile Institute, Spartanburg, S.C., Nov. 15, 1932.

The textile industries of India and Japan. Impressions of an American tourist. Indian Textile Jour. 43(505):3-4. Oct. 1932. (Published at Military Sq., Fort, Bombay, India)

Frank criticism of present conditions by a textile technologist.

Supply and Movement

Abu Steit, A.H. La politique cotonnière de l'Égypte. 271 p. Paris, A. Pedone, 1932.

The cotton policy of Egypt.

Suggests restriction of production, modernization of cultural methods, development of a strong cotton industry; condemns government intervention in the market; and recommends diversification of crops.

Bryan, A.B. South Carolina's campaign for better cotton brings definite results. Cotton 96(12):37-38, 43. Dec. 1932. (Published by W.R.C. Smith Publishing Co., Atlanta, Ga.)

Describes results of the five-year campaign to produce those lengths of cotton that the mills of the state use.

Ducellier, L.O. Les plantes industrielles en Algérie. 23 p. illus. Algeria, Impr. Algérienne, 1930. (Gouvernement général de l'Algérie. Direction de l'agriculture et de la colonisation)

The industrial plants of Algeria.

Cotton: p. 8-10.

Jourdain, Paul. La culture du coton. Comment sera aménagée la vallée du Niger. Association Cotonnière Coloniale Bulletin Trimestriel 30(8): 131-134. Oct. 1932. (Published at Paris, France)

From Revue "Fils et Tissus", Sept. 1932.

Cotton culture. How will the Niger Valley be managed.

Matlock, R.L. Trend of cotton quality. Is it downward in Arizona? Uncle Sam and State university find that it is. Ariz. Prod. 11(18):6-7, illus. Dec. 1, 1932. (Published at Phoenix, Ariz.)

Preliminary estimate of 1932 cotton crop. Chinese Econ. Bul. 21(13):170-172. tables. Sept. 24, 1932. (Published by Ministry of Industry, Customs Bldg., Shanghai, China)

Estimate by the China Cotton Statistics Association based on reports from 11 provinces. Table "shows the planted area and yield of raw cotton for the past 13 years."

Russian progress in Egyptian cotton. Alexandria buying office closed. Manchester Guardian Com. 25(647):403. Nov. 12, 1932. (Published at the Guardian Bldg., Manchester, England)

"The total area under cotton in U.S.S.R. is about 5,000,000 acres. Egyptian cotton now accounts for about 150,000 acres."

Still greater cut in cotton acreage indicated for 1933. North Carolina, with only 18 per cent of her land in cotton in 1931, reduced cotton acreage 6 per cent this year--Southeastern cotton acreage just 75 per cent of what it was in 1921. N.C.Cotton Grower 11 (12):3. Dec.1932. (Published at Raleigh,N.C.)

Traces acreage reduction in southeastern states since 1921. Based on figures from American Cotton Co-operative Association.

Sudan plantations syndicate. Near East and India 46 (1121):913. Nov.10,1932. (Published at 170,Strand, London,W.C.2,England)

Report of 25th general meeting, Nov.3,1932, in London. Quotes from address of Alexander MacIntyre, reviewing past season,prices,and new season's prospects for cotton on this plantation.

U.S.Dept. of agriculture. Report of the secretary of agriculture 1932. 90 p. Washington,U.S.Govt.print. off.,1932.

Agricultural research. Egyptian cotton: p.44-45. Cotton grade and staple estimates: p.49-50.

Vink,G.J. Ruim honderd jaar ervaring met de bevoor- dering der kateoncultuur in Nederlandsch-indie. Land- bouw 8(4):245-265. Oct.1932. (Published at Buiten- zorg, Java)

In Dutch. English summary: p.264-265.

Fully one hundred years of experience in advancing the cotton culture of Netherlands India.

Summary lists facts to show that cotton cultivation "is a more or less risky occupation in the whole of the Archipelago" for reasons of varying price levels, prevalence of frequent insect plagues and lack of a regular cotton climate.

Prices

Snider,J.L.,ed. Business statistics; a book of cases and materials. 2d ed. 498 p. New York, McGraw-Hill book company, inc., 1932.

Forecasting the price of cotton: p.49-74.

Marketing and Handling Methods and Practices

A new bale sampling machine. A solution to an old problem. Textile Weekly 10(247):339. illus. Nov.25,1932. (Pub- lished at 49 Deansgate,Manchester, England)

Describes and illustrates machine invented by H. Tobler which "will take a sample of cotton right from the centre of the bale, without necessitating opening

up the bale or even the removal of the bands."

[Pearse, N.S.] Sale of cotton on net weight basis is urged. Spinning groups of 20 nations favor plan. Issues report. Cotton Trade Jour. 12(47):1, 3. Nov. 26, 1932. (Published at New Orleans, La.)

"The report... is in line with a resolution adopted at a meeting of the International Cotton Committee in London February 23 [1932] and confirmed by the same group on October 14 and 15 [1932.]"

Also in Cotton Ginners' Jour. 4(4):7. Jan. 1933.

Cooperation in Marketing

U.S. Federal farm board. Third annual report... for the year ending June 30, 1932. 110 p. illus., tables. Washington, U.S. Govt. print. off., 1932.

Cotton: p. 27-31. Developments in cooperative marketing.

Cotton stabilization: p. 73-81.

UTILIZATION

Fiber, Yarn and Fabric Quality

Ahmad, Nazir. Technological report on Banilla cotton, 1930-32. Indian Cent. Cotton Com. Tech. Bul. (ser. A) 22, 17 p. tables. Bombay, India, Times of India press, 1932.

B., A.W. On standardisation with reference to cotton fibre properties. Textile Manfr. 58(695):442. Nov. 1932. (Published by Emmott and Co. Ltd., 31 King St. West, Manchester, England)

Letter to the editor.

"At least four measurements are needed: the staple length, the variation in length, the fineness and the degree of secondary thickening of the fibre, and these must ultimately be related to the yarn quality, also given in perhaps four or five measurements." Suggests that laboratories agree on units of measurement.

The cause and effect of uneven yarns. Textile Amer. 58(6):20-21. Dec. 1932. (Published at 440-442 Old South Bldg., Boston, Mass.)

"From a correspondent."

Clarke, W.D. Essential characteristics of cotton in relation to different cotton fabrics. Amer. Wool and Cotton Reporter 46(49):23-25. Dec. 8, 1932. (Published at 530 Atlantic Ave., Boston, Mass.)

Paper presented at Virginia-Carolina division of the Southern Textile Association, meeting in Spray, N.C., Dec. 2, 1932.

"Importance of cotton man in mill--Determining proper grades and staples--Neps in cotton--Other factors to be considered."

Abstract in South.Textile Bul.43(15):4-7.Dec.8,1932.

Cohoe,W.P. Caustic soda in the finishing of cotton piece goods. Amer.Dyestuff Reporter 21(22):617-618, 632. Oct.24,1932. (Published at 440 Fourth Ave., New York,N.Y.)

"While caustic soda does not dissolve alpha cellulose of which bleached cotton is the type, it is frequently forgotten that beta and gamma cellulose are dissolved by caustic solution of mercerizing strength."

Cowan,Robert. Dyeing and finishing troubles caused by mould fungi or mildew. South.Textile Bul.43(17):11,23. Dec.22,1932. (Published at 118 West Fourth St.,Charlotte,N.C.)

"Extracts from paper at meeting of Southeastern Section, American Association of Textile Chemists and Colorists."

Gutmann,W. Über adsorptionsvorgänge an wolle und baumwolle. 52 p. 1931.

Diss.Tech.Hochsch.Stuttgart.

Concerning the adsorption process in wool and cotton.

Hardin,J.E. Some reminiscences on the textile industry. South.Textile Bul.43(16):5-7,27. Dec.15,1932. (Published at 118 West Fourth St.,Charlotte,N.C.)

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Mark.H.F. Physik und chemie der cellulose. Vol.1, Pt.1. 330 p. illus. Berlin,Berlag von Julius Springer,1932. (Technologie der textilfasern, ed. by R.O.Herzog)

Physics and chemistry of cellulose.

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Oguri,Sutezo. Hygroscopic moisture of cellulose.VIII. Jour.Soc.Chem.Ind.,Japan,Suppl.Binding 35(7):279B-282B illus. July 1932. (Published at Department of Applied Chemistry, Faculty of Engineering, Tokyo Imperial University, Tokyo, Japan)

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Pascal, P., and Hansot, J. Étude quantitative de l'adsorption des cations métalliques par la cellulose. Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences 195(5):349-351. illus. Aug. 1, 1932. (Published at Quai des Grands-Augustins, 55, Paris, France)

Quantitative study of adsorption of metallic cations by cellulose.

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Schwarz,E.R. New microscope shows textiles as they are. Textile World 82(6):1176. Dec.1932. (Published at 330 West 42d St.,New York,N.Y.)

"Abstracted from paper read in Cambridge,Mass.,at a meeting of the textile section, American Society of Mechanical Engineers."

Recent improvements in the stereoscopic microscope and other microscopical equipment.

Shinoda,Yoshizo. Charakterisierung von verschiedenen baumwollfasern mittels der lösungskurve in kupferamminlösung. Jour.Soc.Chem.Ind.,Japan,Suppl.Binding 35 (7):295B-298B. illus. July 1932. (Published at Department of Applied Chemistry,Faculty of Engineering, Tokyo Imperial University,Tokyo,Japan)

Characterization of different cotton fibers by the solution curve in cuprammonium solution.

"Each different type of cotton examind.by the method of Sakurada showed a characteristic soly.curve.Similar curves are shown for soly.in Cu-NH_3 - NaOH solns.in which the NaOH instead of the Cu is varied. Max.soly.is obtained at a concn. of about 11 mg.mole. NaOH per 100 cc."-Chem.Abs.26(22):6148. Nov.20,1932.

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Whittaker,C.M. The influence of certain vat dyestuffs on the tendering of cellulose when exposed. Textile Weekly 10(247):343. Nov.25,1932. (Published at 49 Deansgate,Manchester,England)

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ists Nov.18,1932.

"The main purpose of the paper was to show that viscose was not the only form of cellulose which was deteriorated on exposure to light and atmosphere, but that cotton also behaved upon exactly parallel lines."

Willis, H.H. The importance of cotton classing and grading at the mill. Cotton 96(12):28-31. illus. Dec. 1932. (Published by W.R.C. Smith Publishing Co., Atlanta, Ga.)

Technology of Manufacture

Clark, J.A. Cost of dyeing cotton piece goods. Basis on which finishing plants charge for service--Colors classified as commercial, sunfast, tubfast, perspiration-proof and vat--Application, formulas and costs. Amer. Wool and Cotton Reporter 46(49):9-10, 17-20. tables. Dec. 8, 1932. (Published at 530 Atlantic Ave., Boston, Mass.)

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From the Rayon Record.

English, W. The case for high speed warping. I. Influence of cone supply on loom output and cloth quality. Textile Mercury and Argus 87(2274):313. illus. Oct. 14, 1932. (Published at 41 Spring Gardens, Manchester, England)

To be continued.

"Textile Mercury" Technical Development Series.

Faber, C. Air conditioning in textile mills. Indian Textile Jour. 43(505):39. Oct. 1932. (Published at Military Sq., Fort, Bombay, India)

Abstract of lecture recently delivered before the Ahmedabad Textile Association.

Hall, A.J. Solid dyeings on mixture fabrics. New methods that can be applied to cotton, wool, silk and rayon. Textile Mercury and Argus 87(2279):428. Nov. 18, 1932. (Published at 41, Spring Gardens, Manchester, England)

Hudson, W. The humidity factor in textiles. Effect on the manufacturing process. Textile Mercury and Argus 87(2279):426. Nov. 18, 1932. (Published at 41, Spring Gardens, Manchester, England)

"Extract from a lecture...at a recent meeting of the Bury and District Textile Society."

Applies to cotton yarns.

Kauffmann, Hugo. The latest research work on cotton bleaching. Amer. Dyestuff Reporter 21(23):647-649. Nov. 7, 1932. (Published at 440 Fourth Ave., New York, N.Y.)

"Presented at meeting of Philadelphia Section [American Association of Textile Chemists and Colorists] Sept. 30, 1932."

Also in South. Textile Bul. 43(13):3, 8. Nov. 24, 1932.

Kling, R. Katalytschäden durch stempelfarbe. Spinner und Weber 50(49):15-16. illus. Dec. 2, 1932. (Published at Gellertstrasse 7/9, Leipzig, Germany)

Catalytic damage by printing colors.

- "Article describes action of certain heavy metals, such as copper and iron found in printing inks in causing damage to cloth. This damage is undoubtedly due to oxidation for on boiling with alkali the cloth dissolves at the place of printing and falls apart." - C. M. Conrad.

Kollmann, L. Textile uses of hydrogen peroxide in bleaching and finishing. Textile Manfr. 58(695):458. Nov. 1932. (Published by Emmott and Co. Ltd., 31 King St. West, Manchester, England)

"In a paper to the International Federation of Textile Chemists and Colourists."

"The equipment necessary for the use of hydrogen peroxide and the bleaching processes for wool, silk, cotton, and linen, and for developing and ageing."

Landau, A. K. Break draft. A neglected detail of cotton spinning. Textile World 82(6):1169. illus. Dec. 1932. (Published at 330 West 42d St., New York, N.Y.)

"Defined as the drafting action which may occur between the back rollers and the following nipping point...An adequate and definite break draft properly adjusted to the weight of the roving and the count of the cotton is an important factor in obtaining strength and evenness in yarn."

Lees, Enos. Modern winding and warping. Advantages of high-speed working. Textile Weekly 10(247):344-345. Nov. 25, 1932. (Published at 49 Deansgate, Manchester, England)

"In a lecture to the Ashton-under-Lyne and District Mill Managers' Association [England] November 18th, 1932."

"Millbank." Cotton yarns for hosiery. Textile Recorder 50(597):37. Dec.15,1932. (Published at 121 Deansgate,Manchester,England)

A new weft vertical-spindle ring spinning frame. Textile Manfr.58(695):443. illus. Nov.1932. (Published by Emmott and Co.Ltd.31 King St.West,Manchester, England)

Manufactured by Platt Brothers,Oldham,England.

Noguera,J. High drafting. Textile Weekly 10(249):400. Dec.9,1932. (Published at 49 Deansgate,Manchester,England)

"In a lecture to the Ashton and District Mill Managers' Association, Oct.26,1932."

Pennington,J.W. Terry toweling fabrics.Figured and lettered designing.Their construction and manufacture. Textile Amer.58(6):17-19. illus. Dec.1932. (Published at 440-442 Old South Bldg.,Boston, Mass.)

To be continued.

Procter-Gregg,M. Adaptability of the automatic loom. Textile Mercury and Argus 87(2279):427,x. illus.Nov.18,1932. (Published at 41,Spring Gardens, Manchester,England)

"Extracts from a lecture to the Keighley Textile Society," Nov.14,1932.

The author proposes "to consider exactly what automatic weaving means, and the part it is playing in the textile industry to-day."

Sansone,Raffaele. Progress made in the production of white cotton cloth.Pt.V.Possible future changes and developments.A possible new white sizing process. Textile Amer.58(6):12-16. illus. Dec.1932. (Published at 440-442 Old South Bldg.,Boston,Mass.)

To be continued.

Smolens,H.G. Peroxide bleaching of textiles.Increased use of 100-volume electrolytic hydrogen-peroxide solutions--Bleaching wool,silk,rayon and cotton--Raw stock,yarns and fabrics--Requisites for success.Amer. Wool and Cotton Reporter 46(49):11-12,14. Dec.8,1932. (Published at 530 Atlantic Ave.,Boston,Mass.)

Paper presented at meeting of Textile Division of American Society of Mechanical Engineers in New York, Dec.7,1932.

Also in South.Textile Bul.43(17):8,12,24.Dec.22,1932.

[Southern textile association] Carding,spinning,weaving discussed at Spray meeting. South.Textile Bul.43(15):4-7,10,32-33. Dec.8,1932. (Published by Clark Publishing Co., 118 West Fourth St.,Charlotte,N.C.)

Meeting of Virginia-Carolina Division in Spray, N.C., Dec.2,1932.

Includes extracts from address by W.D.Clarke on "The essential characteristics of cotton in relation to different cotton fabrics."

Discussion in South.Textile Bul.43(16):10,Dec.15, 1932.

Technology of Consumption

Busby,H.S. Time to prepare the fatted calf. Cotton Trade Jour.12(49):2. Dec.10,1932. (Published at New Orleans,La.)

Urges profit-making possibilities of certain "fabrics and articles made from coarse and simple structures of grey cloth...discarded and condemned trimmings and remnants of the more complex cloth constructions used," now being produced without uniform production and standards.

Houses made from cotton.New uses for cotton demonstrated by the Cotton-Textile institute inc. Textile Recorder 50(596):29. illus. Nov.15,1932. (Published at 121 Deansgate,Manchester,England)

Illustrations show two types of cotton houses, designed by Lawrence Kocher.

SEED AND SEED PRODUCTS

International cottonseed products directory...1932-1933. 18th ed. 270 p. tables. Dallas,Tex.,Cotton and cotton oil news [1932]

Jamieson,G.S., and McKinney,R.S. Comparative study of methods for determining free fatty acids in cottonseed. Oil and Soap 9(10):228-231. tables. Oct.1932. (Published by Gillette Publishing Co.,400 West Madison St.,Chicago,Ill.)

"Contribution from the Oil,Fat and Wax Laboratory, Bureau of Chemistry and Soils, U.S.Department of Agriculture."

Table compares results for Maclellan mixer and Meloy sampler.

Lemmél,H.H. Gewinnung, veredlung und verarbeitung der oele und fette. Aus der praxis für praxis und studium. 406 p. illus. Berlin,Allgemeiner industrie-verlag,1932.

Extracting,refining and utilization of oil and fat. Cottonseed oil: p.252-260.

Lickle,C.H. Cooperation needed to hold linter market. Cotton Oil Press 16(8):8-10. illus. Dec.1932. (Published by Interstate Publishing Co., Inc.,Memphis, Tenn.)

"The production of cotton linters for the chemical

trade is...the result of a partnership between the oil mills and the pulp mills."

Describes processes in manufacture of chemical cotton. Charts illustrate operations involved.

LEGISLATION, REGULATION AND ADJUDICATION

[American cotton manufacturers association] Urges mills to oppose tax on cotton. South. Textile Bul. 43(14): 12. Dec. 1, 1932. (Published by Clark Publishing Co., 118 West Fourth St., Charlotte, N.C.)

"The dangerous possibility that Congress may pass the Norbeck Bill, now designated as the Domestic Allotment Act, is pointed out in a letter sent members of the American Cotton Manufacturers' Association by B.B. Gossett, president...The bill provides, among other things, that under certain conditions, mills would pay a tax of 5 cents per pound on short staple cotton." Quotes the letter.

Blalock, U.B. Is there hope for the farmer? N.C. Cotton Grower 11(12):1, 3. Dec. 1932. (Published at Raleigh, N.C.)

"Synopsis of the activities of the larger farm organizations of the nation." Includes discussion of domestic allotment plan applied to cotton.

Cannon, C.A. Cannon opposes domestic allotment plan. South. Textile Bul. 43(17):16, 24. Dec. 22, 1932. (Published at 118 West Fourth St., Charlotte, N.C.)

Statement made by president of Cotton Manufacturers Association of North Carolina before the Agricultural Committee of the House of Representatives.

Extracts in Cotton Digest 5(11):6-7. Dec. 24, 1932.

5-cent subsidy on cotton now a probability. Domestic allotment plan. Okla. Cotton Grower 12(27):1. Nov. 25, 1932. (Published at Oklahoma City, Okla.)

Describes working of proposed domestic allotment plan.

Harriss, R.M. How relieve agriculture? Com. and Finance 21 (50):1436-1437. Dec. 14, 1932. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

"The proposed domestic allotment, equalization and export debenture plans for relief to agriculture are merely palliatives and will be of no fundamental assistance." Applies the plans to the cotton industry.

Hutton, J.H. Passage of proposed domestic allotment plan would slash consumption of U.S. cotton. Cotton Trade Jour. 12(49):4. Dec. 10, 1932. (Published at New Orleans, La.)

[India. Indian central cotton committee] Protection to the grower of long staple Indian cotton against the

influx of foreign cottons. Indian Trade Jour. 107 (1372):6. Oct. 6, 1932. (Published at Calcutta, India)

Communication submitted to the Tariff Board of India.

"The Committee are of opinion that long staple Indian cotton of one inch and below should be given effective protection and that this object would be achieved if the maximum length of staple is fixed at 31/32 inch with a margin of 3/64 inch."

Also in Textile Recorder 50(596):24, 25. Nov. 15, 1932; in Textile Mercury and Argus 87(2275):331. Oct. 21. 1932; in Textile Manfr. 58(696):492. Dec. 1932.

Wagel, S.R. The Wagel cotton quota plan to raise the market price. Com. and Finance 21(50):1433-1435. Dec. 14, 1932. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

While plan refers to cotton, it is applicable to all commodities. "The three divisions of the 'Cotton Quota Plan' may be summarized as follows: 1. A cotton Co-operative Corporation (national in contra-distinction to the present State Co-operatives) to regulate production. - 2. Closely co-operating with the Cotton Co-operative Corporation, a Cotton Finance Corporation to discount loans on cotton, which will also indirectly become an agency to hold the present surplus and relieve pressure on the market; and 3. Congressional legislation which will be mainly in the nature of a tax and tariff measure, yielding a sizable revenue for the Federal Government and at the same [time] helping regulate production."

According to the author the "Cotton Quota Plan" conforms to the requirements for an agricultural plan stated by Franklin D. Roosevelt as follows: "It must raise staple prices in the United States above world prices, but in such a way as will not make use of any mechanism which would cause our European customers to retaliate on the ground of dumping; at the same time, the plan must be, in so far as possible, voluntary; it must avoid access to the public treasury and finance itself."

Reprinted in Cotton and Cotton Oil News 33(53):3-5, 12. Dec. 31, 1932.

MISCELLANEOUS--GENERAL

[American association of textile chemists and colorists] Textile chemists consider bleaching, dyeing, and printing problems at annual meeting. Textile World 82(6):1152-1153. Dec. 1932. (Published at 330 West 42d St., New York, N.Y.)

Meeting in Greensboro, N.C., Dec. 3-4, 1932.

Abstracts of papers presented: Color fastness problems in the dyehouse, by D.A. Gryder; Peroxide bleaching cotton piece goods, by C.L. Eddy; Detection of heavy metals and traces of impurities in cotton fabrics [by micro-

analysis] by H.M.Chase; and historical phases of the textile industry considered by R.E.Rose, J.E. Copenhaver and J.E.Hardin.

Program, with titles of all papers, in Amer.Wool and Cotton Reporter 46(49):41. Dec.3, 1932.

American cotton manufacturers association. Proceedings of the 36th annual convention. Atlanta, Ga., May 19th and 20th, 1932. 160 p. [Charlotte, N.C., 1932]

Includes also annual reports and resolutions.

[American society of mechanical engineers. Progress report committee] Annual report on textile progress. South. Textile Bul. 43(17):3-4, 27. Dec. 22, 1932. (Published at 118 West Fourth St., Charlotte, N.C.)

W.L. Conrad, Chairman.

[American society of mechanical engineers. Textile division] Textile engineers discuss dye costs, peroxide bleach, and machinery progress. Textile World 82(6): 1172. table. Dec. 1932. (Published at 330 West 42d St., New York, N.Y.)

Meeting in New York, Dec. 7, 1932.

Table shows "Cost of labor and materials for dyeing cotton piece goods."

Also in Amer.Wool and Cotton Reporter 46(50):11-12, 18, Dec. 15, 1932.

Arkansas Agricultural experiment station. 44th annual report fiscal year ending June 30, 1932. Ark. Agr. Expt. Sta. Bul. 280, 67 p. tables. Fayetteville, 1932.

Reports the following investigations: Fertilizer experiments with cotton, by Martin Nelson and J.O. Ware: p. 9-12. - Cotton, breeding, spacing and variety studies, by J.O. Ware: p. 26-30. - Cotton fiber investigations, by O.A. Pope: p. 30-32. - Cotton machinery studies, by D.G. Carter: p. 34. - The cotton boll weevil, by Dwight Isely: p. 44-45. - Cotton wilt studies, by V.H. Young and others: p. 54-55. - Grade and staple estimates and primary market price of cotton, by J.G. Maddox and C.O. Brannen: p. 61-62.

Beddall, A. Cotton in the daily press. Textile Weekly 10(250):425-426. Dec. 16, 1932. (Published at 49, Deansgate, Manchester, England)

"In a lecture to the British Association of Managers of Textile Works, November 26, 1932."

Reviews what information is desired by the trade, sources of material, and types of reporting.

Busby, H.S. The most profitable servant. Cotton Trade Jour. 12(48):2. Dec. 3, 1932. (Published at New Orleans, La.)

States "need for a service of selection and coordination of up-to-date and useful technical information re-

specting all phases of the [textile] industry's activities."

- Domingues, A. A exploração racional do algodoeiro e o papel das estações experimentais. Lavoura 36:18-19. June 1932. (Published at Rio de Janeiro, Brazil)

On cotton research and the part played by the experiment stations.

Emley, W.E. The Textile foundation, incorporated. Jour. Chem. Ed. 9(11):1886-1889. Nov. 1932. (Published at Easton, Pa.)

Emley, W.E. United States institute for textile research. Jour. Chem. Ed. 9(11):1882-1886. Nov. 1932. (Published at Easton, Pa.)

F., T.B. The barber inventor. Bicentenary of Richard Arkwright. The discovery of the spinning frame. Textile Recorder 50(597):38-39. Dec. 15, 1932. (Published at 121, Deansgate, Manchester, England)

International institute of agriculture. Bibliography of tropical agriculture, 1931. 70 p. Rome, 1932. Cotton: p. 34-38.

The Manchester cotton association, ltd. Annual meeting of members. Cotton (Manchester) 38(1845):8-11. Dec. 3, 1932. (Published at Ship Canal House, King St., Manchester, England)

Proceedings of 38th annual meeting Nov. 29, 1932.

Among questions discussed were: dust in American cotton, standardization of moisture content in American cotton, moisture and impurities in Egyptian cotton, and freight rates on Egyptian cotton.

Nasmith, Frank. The lesson of Arkwright. Inventive genius cannot be stayed. Textile Weekly 10(250):424. Dec. 16, 1932. (Published at 49 Deansgate, Manchester, England)

Parr, H.G. Sorghum molasses vs. small grain and cotton. Cotton and Cotton Oil News 33(52):3-5. Dec. 24, 1932. (Published at 3116-18 Commerce St., Dallas, Tex.)

Suggests diversification of crops and revision of freight rates as means of improving the cotton industry.

Queensland. Dept. of agriculture. Annual report for the year 1931-1932. 185 p. Brisbane, 1932.

Cotton: p. 7. Report of specialist: p. 36-38. Cotton board: p. 112.

Smith, R.B. An outline of textile invention. Cotton 96(12):39-42. illus. Dec. 1932. (Published by W.R.C. Smith Publishing Co., Atlanta, Ga.)

[Texas A. and M. college] The 1932 A. & M. college of Texas cotton contest. [13] p. [Austin, 1932]

Folio sheets.

Reports by Prof. G. S. Mogford, chairman, and by J. C. Beasley, T. M. Drew, and H. B. Horn, winners of contest, on tour of cotton centers of the United States and Europe.

Texas business planning conference, 1st, 1932. Proceedings. [185] p. Mimeographed. Austin, Texas, University of Texas, Bureau of business research, 1932.

Partial contents: The cotton industry of the southwest--its national aspects and world relationships, by W. L. Clayton.--The future of cotton seed crushing and oil refining industries in Texas, by A. L. Ward.

Thibault, David. Cotton and calendars. Jour. Calendar Reform 2(3):82-84. Sept. 1932. (Published by World Calendar Association, 485 Madison Ave., New York, N.Y.)

The cotton grower "will not look with favor on any radical change in the calendar, but will favor a moderate revision which will palpably increase the efficiency of the calendar as an instrument for comparing dates and seasonal divisions."

Uganda. Dept. of agriculture. Annual report for the year ended 31st December 1931. Pt. I. 34 p. illus. Entebbe, 1932.

Report on cotton acreage, etc.: p. 8-10, 18-19, 33.

[United States institute for textile research] Scientific research. Symposium on textile work in progress and planned. Textile Research 3(2):98-114. Dec. 1932. (Published by U.S. Institute for Textile Research, Prince and Lemon Sts., Lancaster, Pa.)

Symposium at annual meeting, Nov. 3, 1932, in New York, Includes the following addresses: Work of the Textile Foundation, by F. W. Hobbs.--Research committee of A. A. T. C. & C. (American Association of Textile Chemists and Colorists), by L. A. Olney.--Work of the Bureau of Standards, by W. E. Emley.--Work of U.S. Institute, by W. E. Emley.